

Pharmaceutical Preparation Manufacturing: 2002

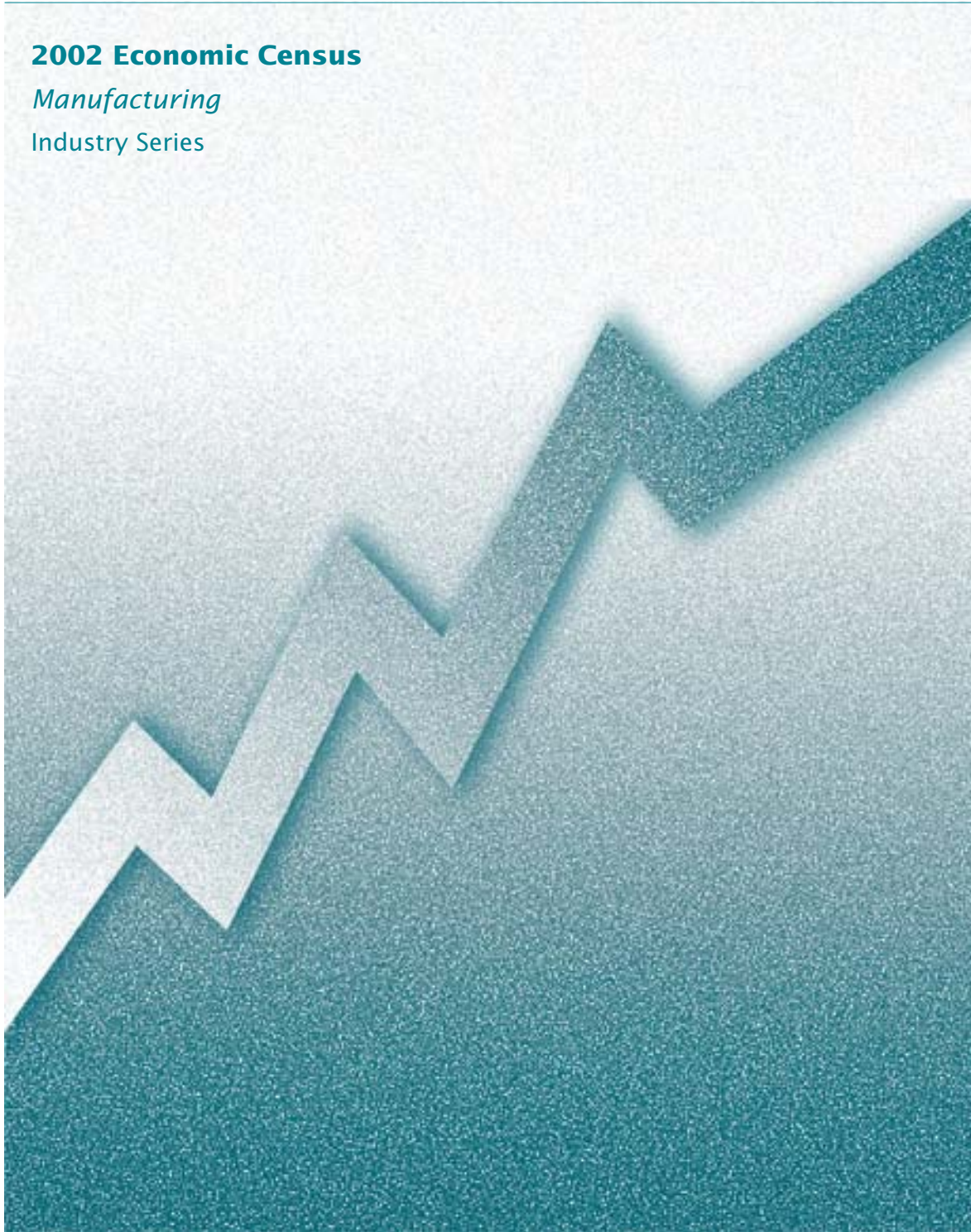
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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
325412, Pharmaceutical preparation manufacturing	2002.. 723	901	182 149	9 941 150	83 233	164 846	3 363 708	83 557 842	30 329 807	113 991 849	4 216 471
	2001.. N	N	167 245	8 699 583	82 766	165 818	3 117 106	71 855 368	29 081 408	100 264 043	4 087 561
	2000.. N	N	159 304	8 322 889	79 664	157 112	2 899 792	62 417 190	26 900 580	88 696 288	3 448 831
	1999.. N	N	145 697	7 878 039	72 773	142 409	2 778 917	59 679 568	24 252 639	83 222 747	2 724 475
	1998.. N	N	117 707	6 085 472	61 622	121 552	2 328 942	53 368 779	22 419 083	75 322 200	2 300 279
	1997.. 707	832	114 119	5 522 283	61 848	124 912	2 131 449	47 864 824	19 480 126	66 734 737	2 491 682

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325412, Pharmaceutical preparation manufacturing												
United States	2	901	465	182 149	9 941 150	83 233	164 846	3 363 708	83 557 842	30 329 807	113 991 849	14 216 471
Arizona	1	16	8	1 017	59 345	560	826	24 790	297 841	90 528	392 504	113 313
California	—	136	67	26 113	1 341 235	11 896	20 128	388 726	5 762 963	1 374 460	7 204 836	1610 569
Colorado	2	14	8	1 281	71 218	777	1 583	34 932	254 793	170 543	442 525	110 525
Connecticut	5	12	7	7 819	399 836	1 117	1 989	47 762	2 635 728	466 519	3 091 122	188 988
Florida	2	38	18	4 525	216 662	2 168	3 878	63 641	1 086 745	369 799	1 417 494	170 841
Georgia	—	13	6	665	32 257	331	777	14 758	101 398	92 074	220 800	129 616
Illinois	—	34	16	21 640	1 520 499	6 850	16 369	428 280	5 797 116	1 933 602	7 769 335	1502 981
Indiana	—	20	13	8 956	476 174	4 666	9 998	187 034	5 696 642	1 818 229	7 515 768	1217 082
Iowa	3	13	4	284	12 446	140	275	5 200	51 435	32 454	89 570	12 622
Kansas	—	11	7	1 575	79 910	901	1 837	36 364	512 139	188 168	691 483	126 109
Massachusetts	4	33	14	5 316	320 273	2 181	4 559	112 951	1 748 543	561 860	2 275 658	1123 909
Michigan	—	19	10	5 652	253 918	3 542	8 120	135 729	2 920 047	643 498	3 552 099	1132 347
Minnesota	—	14	7	1 129	60 182	566	1 226	22 802	557 614	180 969	728 468	132 297
Missouri	1	33	19	4 642	229 968	2 133	4 625	91 084	3 733 353	702 916	4 435 278	1133 656
Nebraska	—	6	3	1 249	62 299	958	1 879	42 902	634 197	136 534	784 607	120 584
Nevada	1	9	3	242	10 530	141	240	4 515	35 852	12 471	48 230	12 173
New Jersey	2	99	55	26 295	1 612 126	8 007	17 106	303 607	8 113 786	2 394 543	10 658 847	1609 186
New York	4	98	59	19 195	962 084	11 094	21 591	419 560	12 763 969	3 647 139	16 152 170	1401 154
North Carolina	—	30	21	10 430	468 883	6 871	12 482	251 242	11 549 609	2 556 934	14 176 039	1368 177
Ohio	—	17	10	2 327	121 672	1 606	3 300	75 323	649 100	582 142	1 211 545	149 980
Pennsylvania	7	38	22	11 770	766 782	5 082	11 386	292 892	13 203 376	6 641 309	19 769 603	1404 770
Tennessee	—	10	5	1 908	101 181	1 220	2 324	43 757	1 927 500	780 176	2 725 744	169 446
Texas	—	35	14	2 489	110 420	1 883	3 453	81 000	1 202 031	295 490	1 535 038	137 431
Utah	3	23	14	2 046	85 994	758	1 468	23 125	400 617	164 055	567 525	119 127
Virginia	1	6	3	1 476	53 865	741	1 048	15 399	413 112	120 660	511 613	125 219
Washington	2	13	2	398	19 107	179	331	6 141	61 179	18 011	80 544	18 178
Wisconsin	5	8	3	317	16 714	166	338	5 990	77 581	59 230	126 236	17 388

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
325412, Pharmaceutical preparation manufacturing	
Companies ¹	number.. 723
All establishments ²	number.. 901
Establishments with 1 to 19 employees	number.. 436
Establishments with 20 to 99 employees	number.. 202
Establishments with 100 employees or more	number.. 263
All employees ³	number.. 182 149
Total compensation	\$1,000.. 12 492 423
Annual payroll	\$1,000.. 9 941 150
Total fringe benefits	\$1,000.. 2 551 273
Production workers, average for year	number.. 83 233
Production workers on March 12	number.. 81 866
Production workers on May 12	number.. 84 683
Production workers on August 12	number.. 85 741
Production workers on November 12	number.. 80 568
Production worker hours	1,000.. 164 846
Production worker wages	\$1,000.. 3 363 708
Total cost of materials	\$1,000.. 30 329 807
Materials, parts, containers, packaging, etc., used	\$1,000.. 26 688 418
Resales	\$1,000.. 2 477 239
Purchased fuels	\$1,000.. 214 926
Purchased electricity	\$1,000.. 403 202
Contract work	\$1,000.. 546 022
Quantity of electricity purchased for heat and power	1,000 kWh.. 6 732 427
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 113 991 849
Primary products value of shipments	\$1,000.. 101 952 510
Secondary products value of shipments	\$1,000.. 7 110 793
Total miscellaneous receipts	\$1,000.. 4 928 546
Value of resales	\$1,000.. 3 910 557
Contract receipts	\$1,000.. 507 409
Other miscellaneous receipts	\$1,000.. 510 580
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 102 844 617
Value of primary products shipments made in this industry	\$1,000.. 101 952 510
Value of primary products shipments made in other industries	\$1,000.. 892 107
Coverage ratio	percent.. 99
Value added	\$1,000.. 83 557 842
Total inventories, beginning of year	\$1,000.. 11 831 534
Finished goods inventories	\$1,000.. 4 536 368
Work-in-process inventories	\$1,000.. 3 233 287
Materials and supplies inventories	\$1,000.. 4 061 879
Total inventories, end of year	\$1,000.. 12 199 001
Finished goods inventories	\$1,000.. 4 082 278
Work-in-process inventories	\$1,000.. 3 583 177
Materials and supplies inventories	\$1,000.. 4 533 546
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '31 479 872
Total capital expenditures (new and used)	\$1,000.. '4 216 471
Buildings and other structures (new and used)	\$1,000.. '1 372 202
Machinery and equipment (new and used)	\$1,000.. '2 844 269
Automobiles, trucks, etc., for highway use	\$1,000.. '97 488
Computers and peripheral data processing equipment	\$1,000.. '334 860
All other expenditures for machinery and equipment	\$1,000.. '2 411 921
Total retirements	\$1,000.. '1 734 959
Gross value of depreciable assets at end of year	\$1,000.. '33 961 384
Depreciation charges during year	\$1,000.. '2 473 216
Total rental payments	\$1,000.. 468 454
Buildings and other structures	\$1,000.. 253 755
Machinery and equipment	\$1,000.. 214 699
Total other expenses ⁴	\$1,000.. 8 032 282
Response coverage ratio ⁵	percent.. 89
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 582 254
Communications services ⁴	\$1,000.. 122 991
Legal services ⁴	\$1,000.. 315 542
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 30 512
Advertising and promotional services ⁴	\$1,000.. 1 580 315
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 213 242
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 102 484
Management consulting and administrative services ⁴	\$1,000.. 1 251 686
Taxes and license fees ⁴	\$1,000.. 157 948
All other expenses ⁴	\$1,000.. 3 675 308

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325412, Pharmaceutical preparation manufacturing											
All establishments	2	901	182 149	9 941 150	83 233	164 846	3 363 708	83 557 842	30 329 807	113 991 849	'4 216 471
Establishments with—											
1 to 4 employees	8	228	477	21 138	307	522	10 140	139 419	48 432	187 933	'9 353
5 to 9 employees	6	111	763	38 553	473	909	17 913	240 024	128 015	373 703	'19 397
10 to 19 employees	7	97	1 350	69 666	831	1 633	31 753	387 815	153 563	540 264	'28 007
20 to 49 employees	3	109	3 552	160 093	2 219	4 350	75 885	691 399	282 234	978 494	'36 269
50 to 99 employees	1	93	6 759	277 422	3 947	7 720	124 943	1 806 649	914 844	2 804 655	'177 290
100 to 249 employees	1	114	18 998	877 695	10 943	22 696	399 565	7 359 627	2 406 805	9 811 741	'339 602
250 to 499 employees	—	70	25 046	1 153 364	14 723	30 996	509 701	10 792 137	3 209 194	13 961 454	'561 785
500 to 999 employees	2	48	31 762	1 594 441	18 436	36 678	762 489	25 463 310	9 856 437	35 262 662	'787 184
1,000 to 2,499 employees	1	19	28 766	1 643 152	14 408	27 713	634 393	10 488 810	2 905 645	13 299 557	'757 920
2,500 employees or more	4	12	64 676	4 105 626	16 946	31 629	796 926	26 188 652	10 424 638	36 771 386	1 499 664
Administrative records ⁴	9	314	1 825	92 354	1 188	2 316	44 619	544 252	192 917	731 361	'40 668

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
325412	Pharmaceutical preparation manufacturing	901	182 149	9 941 150	83 233	164 846	3 363 708	83 557 842	30 329 807	113 991 849	'4 216 471
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	54	19 435	1 133 527	9 384	18 468	430 138	12 841 068	2 270 273	15 089 611	'694 554
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use ..	90	39 129	2 092 540	19 117	38 110	709 436	18 945 835	9 891 741	29 112 636	'1 057 980
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use	31	9 165	475 152	5 127	10 500	220 124	8 199 965	2 374 738	10 288 170	'286 203
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use	34	13 694	687 459	5 503	10 801	190 692	8 455 260	1 279 415	9 665 214	'189 241
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use ...	43	21 509	1 370 692	7 498	15 332	342 619	13 266 114	6 787 046	20 054 687	'654 120
325412G	Pharmaceutical preparations, acting on skin, for human use	30	7 580	465 046	2 586	5 111	94 315	2 856 342	749 262	3 728 349	'82 602
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	114	21 952	784 655	13 964	22 872	382 160	3 072 929	2 179 483	5 333 252	'205 056
325412P	Pharmaceutical preparations, affecting parasitic and ineffective diseases, for human use (excluding diagnostics)	37	35 947	2 246 378	12 707	27 693	696 267	11 917 605	3 176 011	15 080 065	'802 328
325412T	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics	43	5 556	290 834	3 224	6 896	148 277	1 619 666	763 992	2 458 586	'103 051
325412V	In vivo diagnostic substances	20	2 864	148 557	1 172	2 424	42 559	1 459 388	519 124	1 976 686	'66 955

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325412	Pharmaceutical preparation manufacturing	2002.. N 1997.. N	X X	X X	102 844 617 59 215 525
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	2002.. N 1997.. N	X X	X X	17 539 462 4 821 511
32541211	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	2002.. N 1997.. N	X X	X X	17 539 462 4 821 511
3254121100	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use ¹	2002.. 95 1997.. 68	X X	X X	17 539 462 4 821 511
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use	2002.. N 1997.. N	X X	X X	24 005 608 11 808 739
32541241	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use	2002.. N 1997.. N	X X	X X	24 005 608 11 808 739
3254124100	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use ¹	2002.. 117 1997.. 110	X X	X X	24 005 608 11 808 739
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use	2002.. N 1997.. N	X X	X X	10 503 877 8 656 088
32541271	Pharmaceutical preparations, acting on the cardiovascular system, for human use	2002.. N 1997.. N	X X	X X	10 503 877 8 656 088
3254127100	Pharmaceutical preparations, acting on the cardiovascular system, for human use ¹	2002.. 65 1997.. 65	X X	X X	10 503 877 8 656 088
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use	2002.. N 1997.. N	X X	X X	12 559 042 5 742 303
325412A1	Pharmaceutical preparations, acting on the respiratory system, for human use	2002.. N 1997.. N	X X	X X	12 559 042 5 742 303
325412A100	Pharmaceutical preparations, acting on the respiratory system, for human use ¹	2002.. 85 1997.. 92	X X	X X	12 559 042 5 742 303
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use	2002.. N 1997.. N	X X	X X	13 100 774 9 360 623
325412D1	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use	2002.. N 1997.. N	X X	X X	13 100 774 9 360 623
325412D100	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use ¹	2002.. 116 1997.. 101	X X	X X	13 100 774 9 360 623
325412G	Pharmaceutical preparations, acting on skin, for human use	2002.. N 1997.. N	X X	X X	2 926 684 1 800 841
325412G1	Pharmaceutical preparations, acting on skin, for human use	2002.. N 1997.. N	X X	X X	2 926 684 1 800 841
325412G100	Pharmaceutical preparations, acting on skin, for human use ¹	2002.. 107 1997.. 90	X X	X X	2 926 684 1 800 841
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	2002.. N 1997.. N	X X	X X	6 055 682 5 209 752
325412L1	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	2002.. N 1997.. N	X X	X X	6 055 682 5 209 752
325412L100	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use ¹	2002.. 144 1997.. 127	X X	X X	6 055 682 5 209 752
325412P	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (excluding diagnostics)	2002.. N 1997.. N	X X	X X	11 347 130 7 651 310
325412P1	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (excluding diagnostics)	2002.. N 1997.. N	X X	X X	11 347 130 7 651 310
325412P100	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (excluding diagnostics) ¹	2002.. 74 1997.. 73	X X	X X	11 347 130 7 651 310
325412T	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics	2002.. N 1997.. N	X X	X X	2 399 576 1 593 352
325412T1	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics	2002.. N 1997.. N	X X	X X	2 399 576 1 593 352
325412T100	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics ¹	2002.. 79 1997.. 78	X X	X X	2 399 576 1 593 352
325412V	In vivo diagnostic substances	2002.. N 1997.. N	X X	X X	1 440 590 1 070 479
325412V1	In vivo diagnostic substances	2002.. N 1997.. N	X X	X X	1 437 295 1 069 281
325412V111	In vivo diagnostic substances, contrast media products (both iodinated and barium products), including angiourographic agents	2002.. 5	X	X	D

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325412	Pharmaceutical preparation manufacturing—Con.				
325412V	In vivo diagnostic substances—Con.				
325412V1	In vivo diagnostic substances—Con.				
325412V111	In vivo diagnostic substances, contrast media products (both iodinated and barium products), including angiourographic agents—Con.				
	1997..	7	X	X	540 907
325412V121	In vivo diagnostic substances, radioactive reagents (both diagnostic and therapeutic)	2002..	X	X	D
		13	X	X	465 980
		9	X	X	171 222
325412V191	In vivo diagnostic substances, other	2002..	X	X	62 394
		10	X	X	3 295
		14	X	X	1 198
325412VY	In vivo diagnostic substances, nsk	2002..	X	X	3 295
		N	X	X	1 198
325412VYVW	In vivo diagnostic substances, nsk	2002..	X	X	1 198
		N	X	X	
325412W	Pharmaceutical preparation manufacturing, nsk, total	2002..	X	X	966 192
		N	X	X	1 500 527
325412WY	Pharmaceutical preparation manufacturing, nsk, total	2002..	X	X	966 192
		N	X	X	1 500 527
325412WYWW	Pharmaceutical preparation manufacturing, nsk, for nonadministrative-record establishments	2002..	X	X	486 371
		N	X	X	1 173 034
325412WYWY	Pharmaceutical preparation manufacturing, nsk, for administrative-record establishments	2002..	X	X	479 821
		N	X	X	327 493

¹For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	
	United States	2002 .. 17 539 462
		1997 .. 4 821 511
	California	2002 .. 2 438 712
		1997 .. N
	Florida	2002 .. 186 342
		1997 .. 24 842
	New Jersey	2002 .. 987 814
		1997 .. 897 076
	New York	2002 .. 2 446 007
		1997 .. 911 648
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use	
	United States	2002 .. 24 005 608
		1997 .. 11 808 739
	California	2002 .. 909 608
		1997 .. 530 960
	Colorado	2002 .. 131 131
		1997 .. N
	Florida	2002 .. 300 158
		1997 .. 87 834
	Illinois	2002 .. 886 424
		1997 .. 851 193
	Minnesota	2002 .. 57 601
		1997 .. N
	New Jersey	2002 .. 1 774 589
		1997 .. 1 489 231
	New York	2002 .. 3 978 427
		1997 .. 891 700
	North Carolina	2002 .. 3 018 523
		1997 .. 1 492 313
	Ohio	2002 .. 281 422
		1997 .. 130 267
	Pennsylvania	2002 .. 3 814 669
		1997 .. 781 081
	Utah	2002 .. 143 614
		1997 .. N
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use	
	United States	2002 .. 10 503 877
		1997 .. 8 656 088
	California	2002 .. 567 592
		1997 .. 486 972
	Florida	2002 .. 84 304
		1997 .. N
	Illinois	2002 .. 105 199
		1997 .. 336 673
	Indiana	2002 .. 462 463
		1997 .. N
	Missouri	2002 .. 77 661
		1997 .. N
	New Jersey	2002 .. 768 794
		1997 .. 1 298 598
	New York	2002 .. 2 567 649
		1997 .. 860 122
	Ohio	2002 .. 77 914
		1997 .. 39 436
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use	
	United States	2002 .. 12 559 042
		1997 .. 5 742 303
	California	2002 .. 626 768
		1997 .. 379 962
	Illinois	2002 .. 201 684
		1997 .. 164 506
	New Jersey	2002 .. 734 880
		1997 .. N
	New York	2002 .. 1 526 518
		1997 .. 374 331
	North Carolina	2002 .. 2 718 282
		1997 .. N
	Pennsylvania	2002 .. 1 683 773
		1997 .. N
	Texas	2002 .. 26 925
		1997 .. N
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use	
	United States	2002 .. 13 100 774
		1997 .. 9 360 623
	California	2002 .. 56 905
		1997 .. 148 306
	Florida	2002 .. 63 735
		1997 .. 79 199
	Massachusetts	2002 .. 19 464
		1997 .. N
	Michigan	2002 .. 458 084
		1997 .. N
	Missouri	2002 .. 299 212
		1997 .. N
	New Jersey	2002 .. 911 633
		1997 .. 232 649
	New York	2002 .. 719 369
		1997 .. 345 099
	North Carolina	2002 .. 2 862 835
		1997 .. N
	Ohio	2002 .. 36 484
		1997 .. 75 397
	Tennessee	2002 .. 29 551
		1997 .. N

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use—Con.	
	United States—Con.	
	Texas 2002 ..	25 122
	..... 1997 ..	N
	Virginia 2002 ..	102 420
	..... 1997 ..	100 799
325412G	Pharmaceutical preparations, acting on skin, for human use	
	United States 2002 ..	2 926 684
	..... 1997 ..	1 800 841
	California 2002 ..	137 123
	..... 1997 ..	123 414
	Connecticut 2002 ..	63 905
	..... 1997 ..	43 332
	Florida 2002 ..	35 663
	..... 1997 ..	19 575
	Illinois 2002 ..	120 290
	..... 1997 ..	N
	Michigan 2002 ..	20 820
	..... 1997 ..	38 019
	New Jersey 2002 ..	509 165
	..... 1997 ..	485 621
	New York 2002 ..	726 691
	..... 1997 ..	276 417
	Tennessee 2002 ..	232 270
	..... 1997 ..	N
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	
	United States 2002 ..	6 055 682
	..... 1997 ..	5 209 752
	Arizona 2002 ..	49 646
	..... 1997 ..	120 630
	California 2002 ..	1 052 455
	..... 1997 ..	1 762 491
	Colorado 2002 ..	18 839
	..... 1997 ..	N
	Florida 2002 ..	22 388
	..... 1997 ..	N
	Indiana 2002 ..	49 661
	..... 1997 ..	N
	Massachusetts 2002 ..	49 112
	..... 1997 ..	55 444
	New Jersey 2002 ..	347 320
	..... 1997 ..	315 603
	New York 2002 ..	1 433 578
	..... 1997 ..	739 574
	North Carolina 2002 ..	533 496
	..... 1997 ..	217 752
	Pennsylvania 2002 ..	57 094
	..... 1997 ..	22 161
	Texas 2002 ..	164 054
	..... 1997 ..	N
	Utah 2002 ..	306 403
	..... 1997 ..	314 441
	Washington 2002 ..	20 642
	..... 1997 ..	N
325412P	Pharmaceutical preparations, affecting parasitic and ineffective diseases, for human use (excluding diagnostics)	
	United States 2002 ..	11 347 130
	..... 1997 ..	7 651 310
	California 2002 ..	404 487
	..... 1997 ..	31 756
	Florida 2002 ..	82 910
	..... 1997 ..	74 104
	Illinois 2002 ..	1 215 454
	..... 1997 ..	N
	Indiana 2002 ..	520 747
	..... 1997 ..	N
	New Jersey 2002 ..	2 081 027
	..... 1997 ..	1 555 738
	New York 2002 ..	1 120 559
	..... 1997 ..	344 172
	Pennsylvania 2002 ..	1 614 847
	..... 1997 ..	1 003 829
325412T	Pharmaceutical preparations for veterinary use (including medicinal premixes and medicated pet care products; excluding pet flea and tick products), excluding diagnostics	
	United States 2002 ..	2 399 576
	..... 1997 ..	1 593 352
	California 2002 ..	283 997
	..... 1997 ..	33 297
	Illinois 2002 ..	122 516
	..... 1997 ..	30 097
	Iowa 2002 ..	129 268
	..... 1997 ..	178 447
	Kansas 2002 ..	235 931
	..... 1997 ..	148 801
	Missouri 2002 ..	370 317
	..... 1997 ..	223 340
	New Jersey 2002 ..	178 200
	..... 1997 ..	108 955
	New York 2002 ..	75 313
	..... 1997 ..	53 250

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
325412V	In vivo diagnostic substances	
	United States..... 2002..	1 440 590
	..... 1997..	1 070 479
	California 2002..	14 256
	..... 1997..	25 988
	New York 2002..	86 923
	..... 1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325412	Pharmaceutical preparation manufacturing		
00900001	Total materials .....2002..	X	26 688 418
	.....1997..	X	15 102 149
32541113	Antibiotics (bulk), for human and veterinary use .....2002..	X	1 549 812
	.....1997..	X	2 855 535
32541115	Antibiotics (bulk), for animal feeds .....2002..	X	26 050
	.....1997..	X	96 987
32541101	Vitamins, natural and synthetic, for human and veterinary use (bulk) .....2002..	X	1 283 279
	.....1997..	X	1 115 425
32541103	Vitamins, natural and synthetic, for animal feeds (bulk) .....2002..	X	132 656
	.....1997..	X	D
11100033	Agricultural products, crude (including flowers, grains, seeds, herbs, etc.) .....2002..	X	D
	.....1997..	X	99 093
31100001	Processed food and kindred products (including lactose, meat packing plant products, yeast, etc.) .....2002..	X	113 294
	.....1997..	X	95 024
32541000	Blood derivatives and extenders .....2002..	X	D
	.....1997..	X	D
32541107	All other bulk medicinal and botanical uncompounded drugs (excluding antibiotics and vitamins) .....2002..	X	11 314 072
	.....1997..	X	5 139 065
32599807	Gelatin (pharmaceutical grade) and gelatin capsules .....2002..	X	189 246
	.....1997..	X	88 846
325000C2	Industrial inorganic chemicals (salts of sodium, calcium, etc.), excluding medicinals .....2002..	X	220 968
	.....1997..	X	N
32510036	Alcohols, excluding ethyl (100 percent basis) .....2002..	X	142 661
	.....1997..	X	N
32519201	Cyclic crudes and intermediates (including organic colors) .....2002..	X	234 770
	.....1997..	X	274 476
32510031	Other synthetic organic chemicals (including halogenated hydrocarbons) .....2002..	X	4 003 890
	.....1997..	X	415 437
32610015	Fabricated plastics products, including plastics closures, film, and packaging items (excluding containers) .....2002..	X	461 939
	.....1997..	X	307 792
33211500	Metal closures and crowns for containers .....2002..	X	19 959
	.....1997..	X	46 774
32310003	Labels, coupons, instructions, and other printed material .....2002..	X	308 093
	.....1997..	X	389 491
32610029	Plastics containers .....2002..	X	410 720
	.....1997..	X	520 573
32721301	Glass containers .....2002..	X	121 061
	.....1997..	X	201 919
33240000	Metal containers .....2002..	X	58 154
	.....1997..	X	52 533
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	413 696
	.....1997..	X	618 969
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	3 394 542
	.....1997..	X	2 026 023
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	2 120 630
	.....1997..	X	756 432

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.